

# Sourjyendra Krishna Deb

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## WORK EXPERIENCE

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### 7 Sages (Startup)

Feb 2023 – Present

Software Engineer 1 - Python/React

Bengaluru (Remote), IN

- Worked with **ReactJs** & **Python** to build a dashboard with backend **REST APIs** in **Flask**.
- Worked with **Golang** and **PostgreSQL** as a backend framework to create APIs
- Proficiency in using third-party APIs to extract pertinent data, such as client data, and integrate it into a centralized dashboard.
- Strong communication and collaboration skills, able to work effectively as part of a team and mentoring a junior to deliver a project.
- Experience with web scraping techniques to gather product data from ecommerce websites.

### Quantiphi Analytics (Startup)

January 2022 – October 2022

Analyst - Intern

Mumbai, IN

- Worked extensively in Pharma & Healthcare for a Fortune 500 Pharma & Life Sciences giant in a wide spectrum of projects.
- **Derived insights** from financial **data** using **Python** and participated in strategic and tactical planning.
- Conveyed business requirements to technical architects and provided oversight for the architecture.
- Helped in estimating costs of multiple projects through its lifecycle.
- Authored multiple whitepapers, industry trends and knowledge reports having company-wide viewership
- Took end to end ownership and responsibility for preparing and finalizing a Request for Proposal (RfP) for a long term contract and collaborating with multiple stakeholders regarding the same.

## TECHNICAL SKILLS

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- **Languages:** Python, C++, JavaScript, Bash, SQL, Golang
- **Tools:** Pytorch, ReactJs, Flask, Django, Tableau, Jupyter Notebooks, Pandas, Git, MongoDB, PostgreSQL

## HOBBIES AND ACHIEVEMENTS

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- Ranked in the top 59% in Kaggle English Writing Feedback competition
- Ranked #2601 in Google Kickstart Round H 2022
- 5 \* rated Hackerrank in SQL

## EDUCATION

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National Institute of Technology, Durgapur

Aug 2018 – June 2022

BTech, Civil Engineering

Durgapur, IN

- Relevant coursework: **Data Structures & Algorithms, Compiler Design**
- Attended a WAC 2018 Workshop on **Machine Learning** at IIT KGP
- Created an interactive college map for the institute website under our Department Head using **vanilla JS**.
- Completed the Machine Learning course by Andrew Ng on Coursera

## PERSONAL PROJECTS

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- **Exercise Tracker** using **MERN Stack** | Github [Link](#):  
Created an exercise tracker using **MongoDB** as the database
  - Retrieved data from **MongoDB** using **axios** and **mongoose**
  - Implemented **API** endpoints for user and exercise addition & deletion
  - Utilized **React Router** in order to route the different pages of the app.
- Implementing and backtesting several **cryptocurrency trading strategies** | Github [Link](#):  
Using **Python, ccxt, Matplotlib, Pandas**
  - Extracted the current financial data from a cryptocurrency exchange using **ccxt**
  - Utilized common **financial analysis** tools like returns, volatility and **moving averages**
  - Implemented a trading strategy using a long and short window with **backtesting**
- Implementing a **fully functional Bloom filter** app | Github [Link](#) :  
Using **Python, Hashlib, tkinter, PyLab**
  - Implemented a **basic bloom filter** in **python**
  - Used **pylab** to display **false positive error rate** vs **k** graphically